

Fig. 1
(PRIOR ART)

Fig. 2

(PRIOR ART)

Error correction symbol are computed and are added to the end each row (horizontally)

Data loaded in matrix

m

r

n

Symbols read out (vertically)

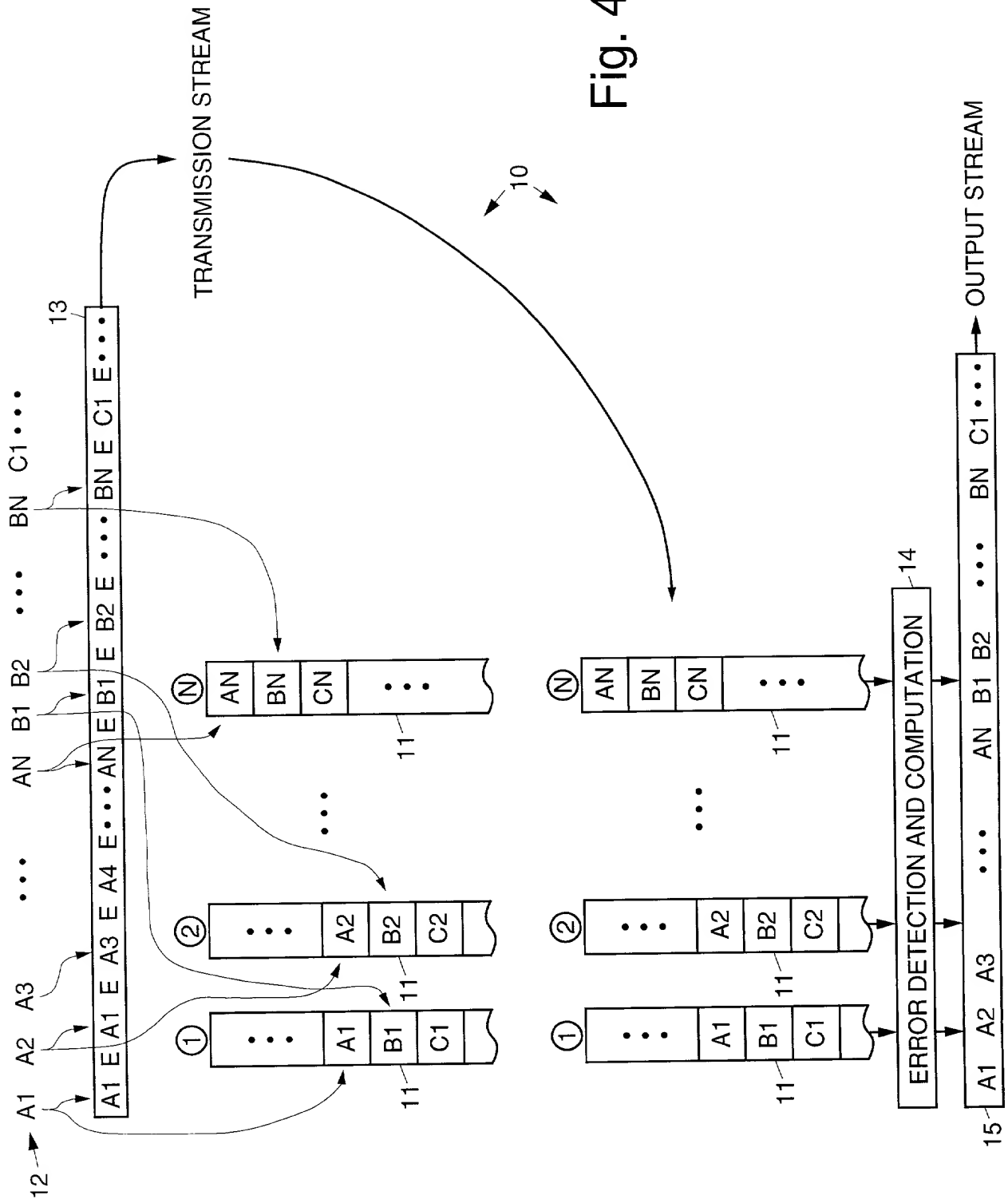
Fig. 3
(PRIOR ART)

If errors occur in a burst, it will occur in a contiguous set of vertical columns

The diagram illustrates a grid of data rows and columns. A vertical column of cells is shaded with diagonal lines, representing a burst of errors. A horizontal row is also shaded with diagonal lines, labeled 'Selected row'. The grid is divided into two sections, 'm' and 'r', by a vertical line. The label 'n' is placed to the left of the grid, indicating the number of rows. The label 'm' is placed above the first section, and 'r' is placed above the second section. A curved arrow points from the text 'If errors occur in a burst, it will occur in a contiguous set of vertical columns' to the shaded vertical column.

If these are the only errors, and if there are fewer errors in the row that would overwhelm the error correction process, all the symbols get corrected

Fig. 4



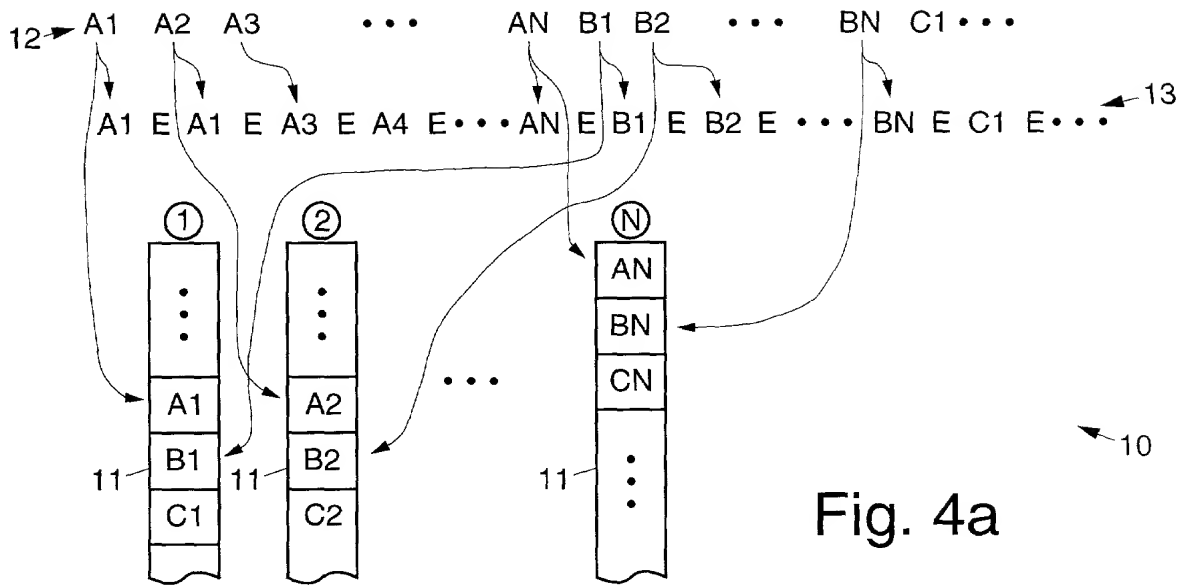


Fig. 4a

Fig. 5

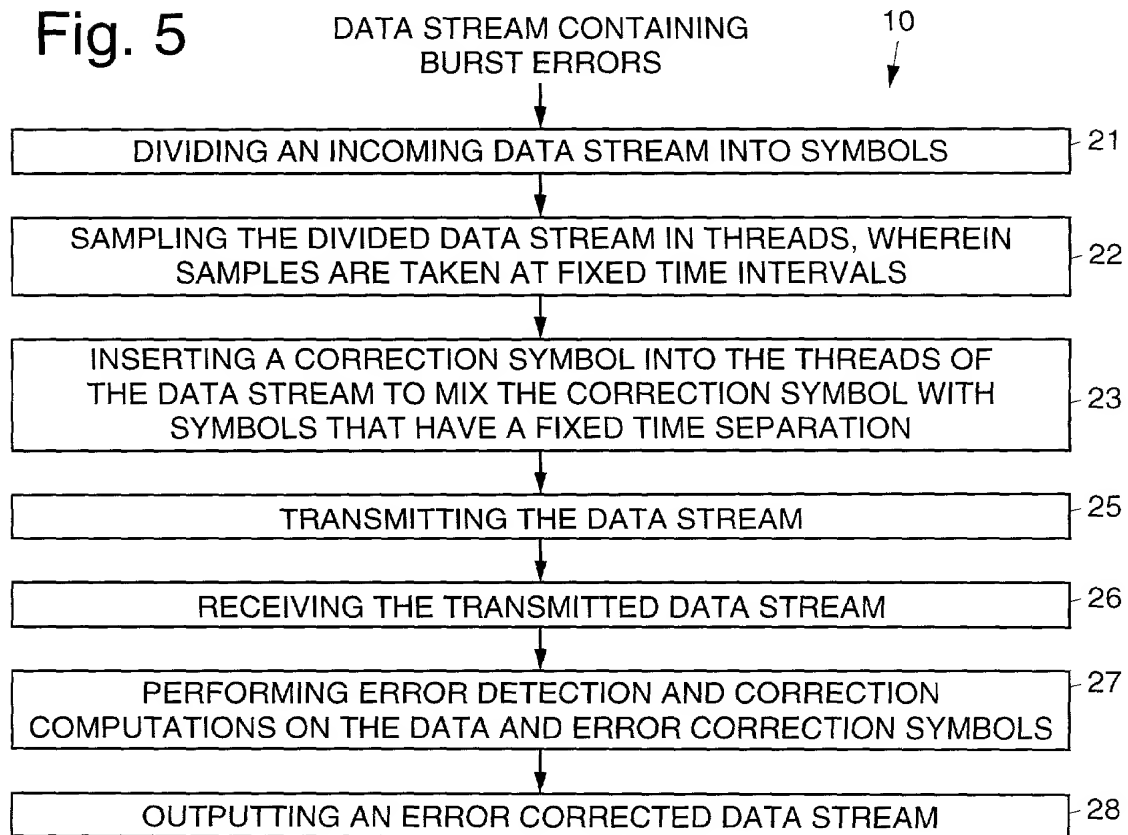


Fig. 6

